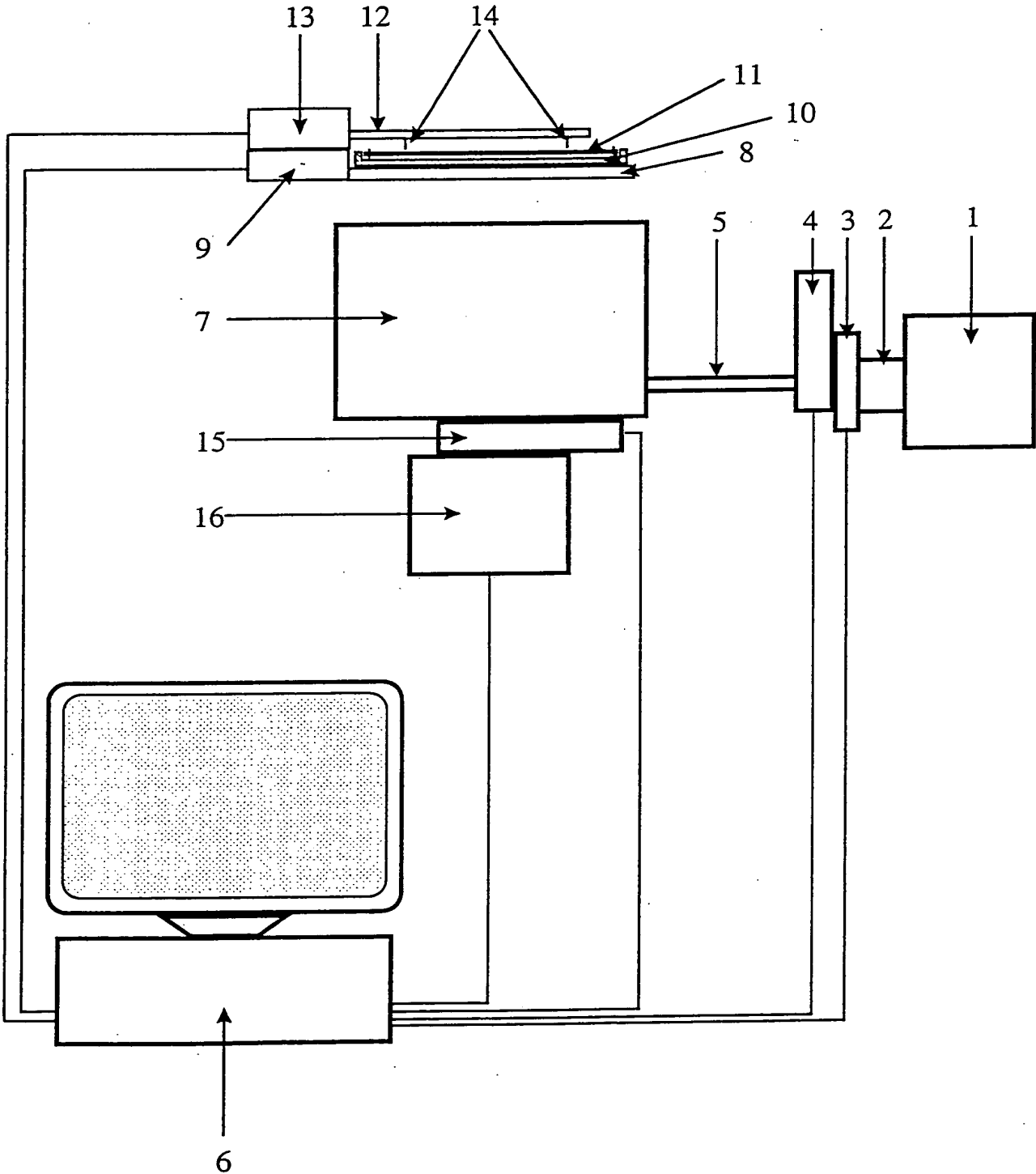


Fig. 1

Schematic view of equipment; not to scale



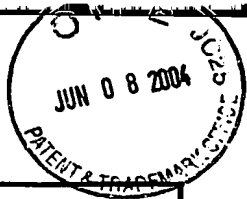
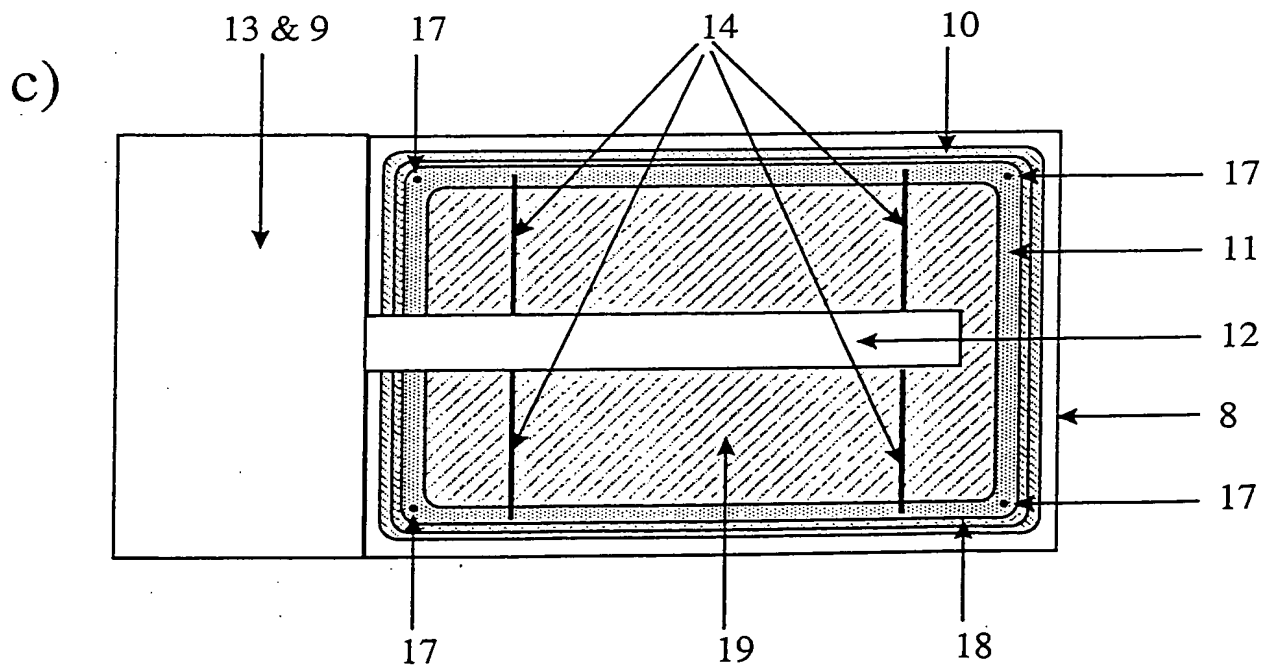
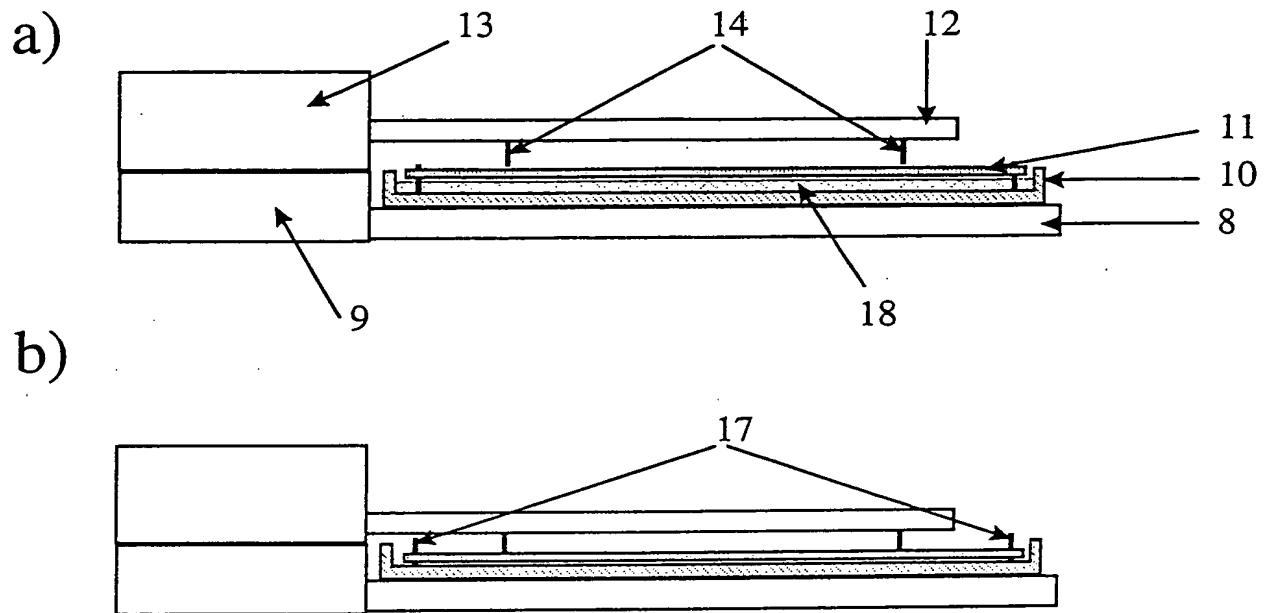
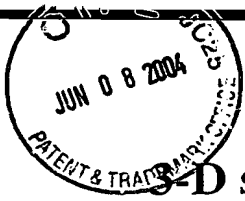


Fig. 2

Side views of test stage; not to scale





**3-D sectional representations of portions of
the test-array/detector layers: not to scale**

Fig. 3

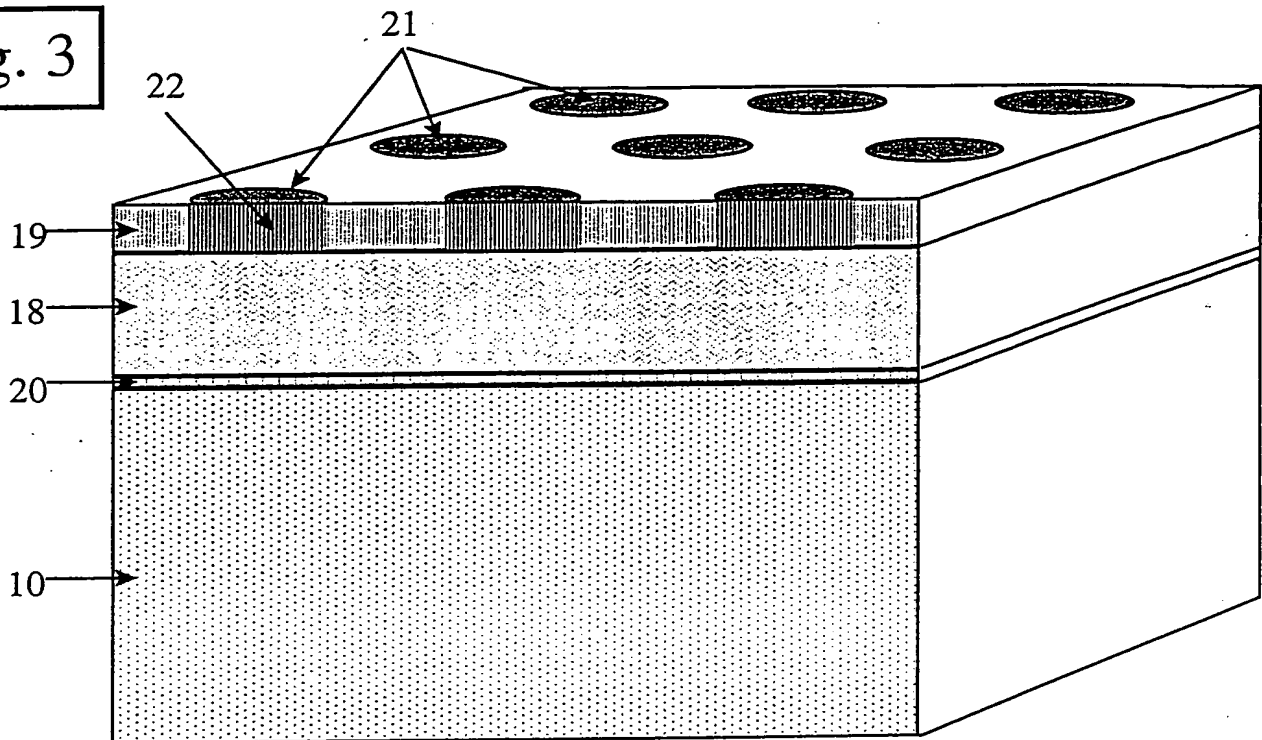


Fig. 4

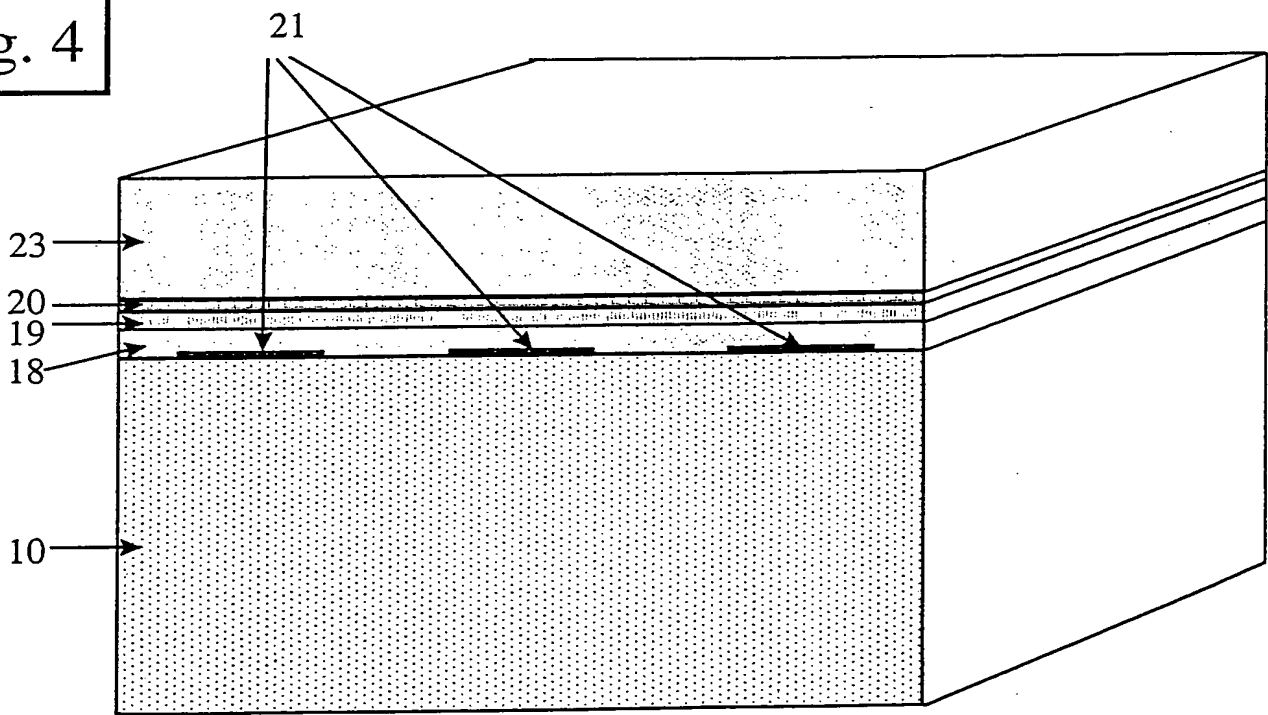
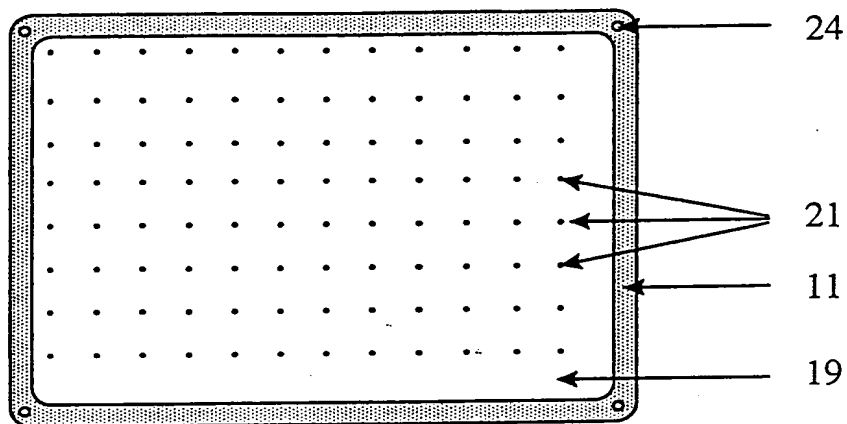
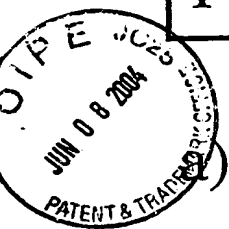
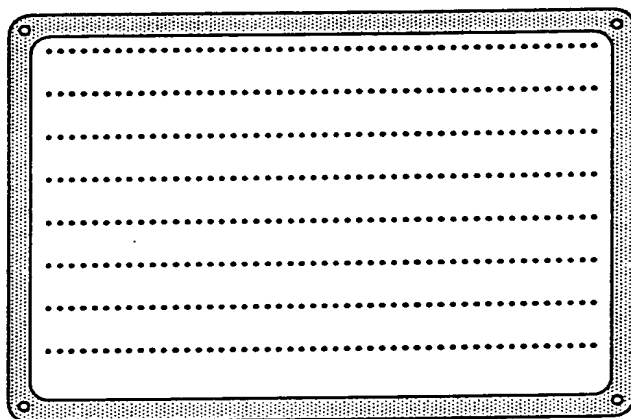


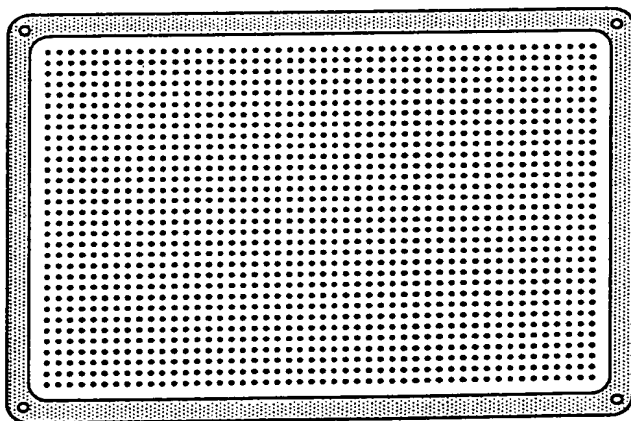
Fig. 5



b)



c)





Carbamylcholine Response (1 mM, five spots)

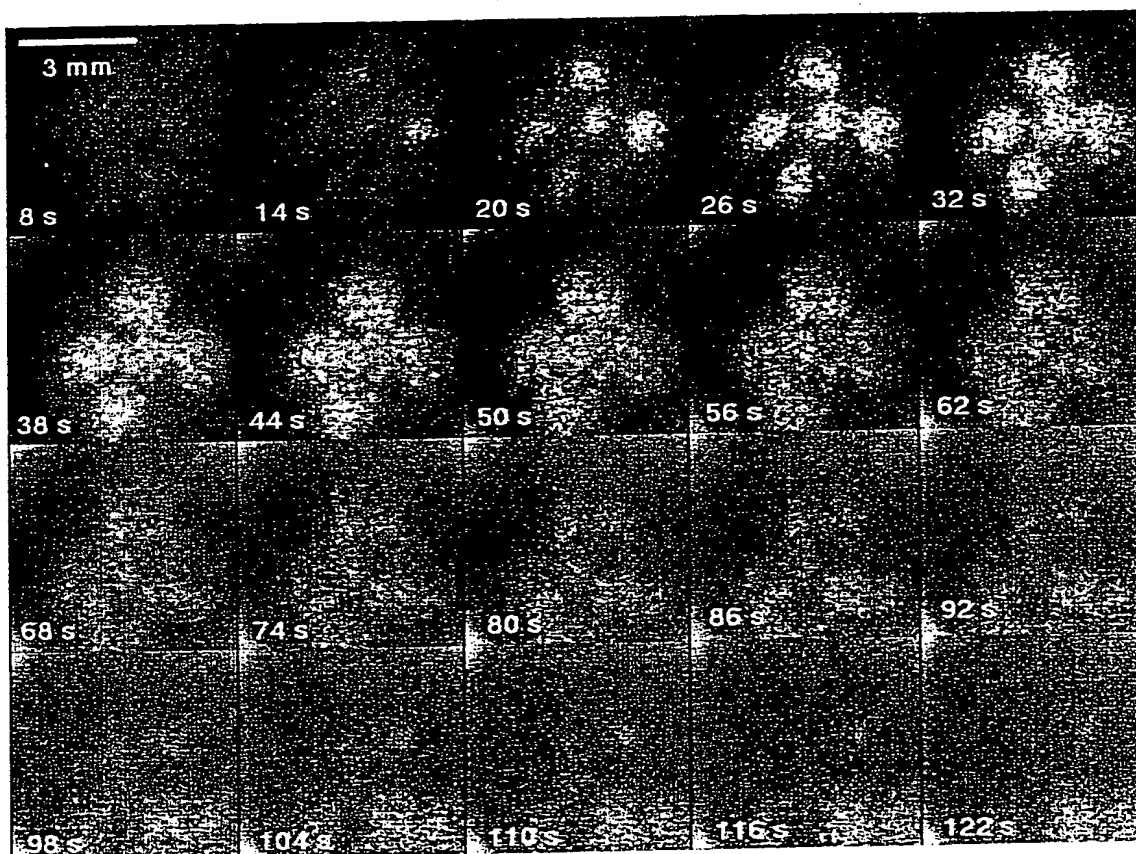
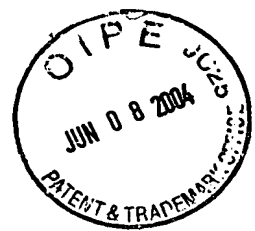


Figure 6



Carbamylcholine Response (1 mM, five spots)

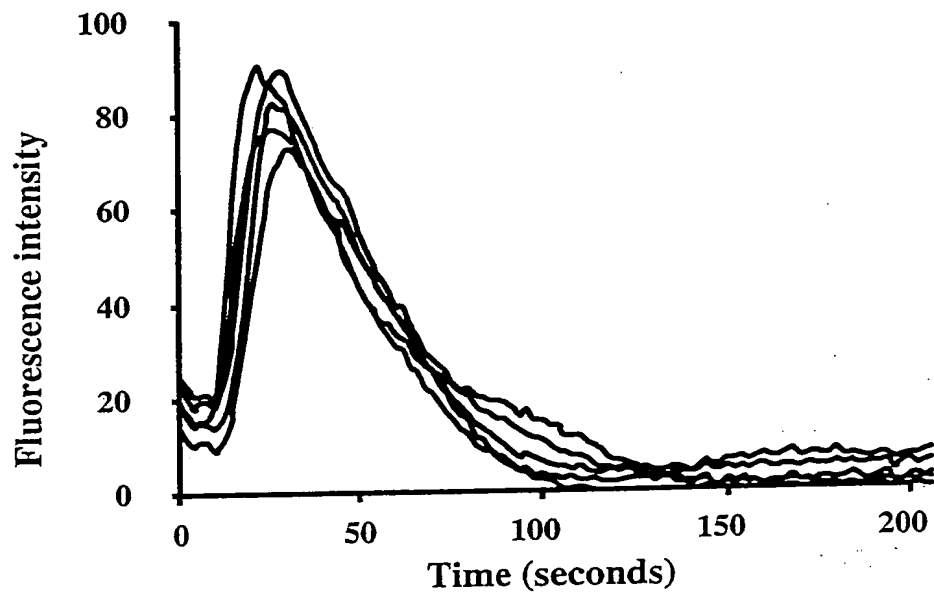
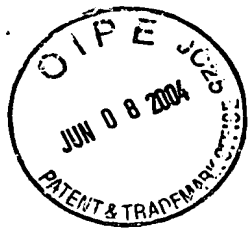


Figure 7



FCCP Response
(50 μ M, 5 x 5 grid of spots)

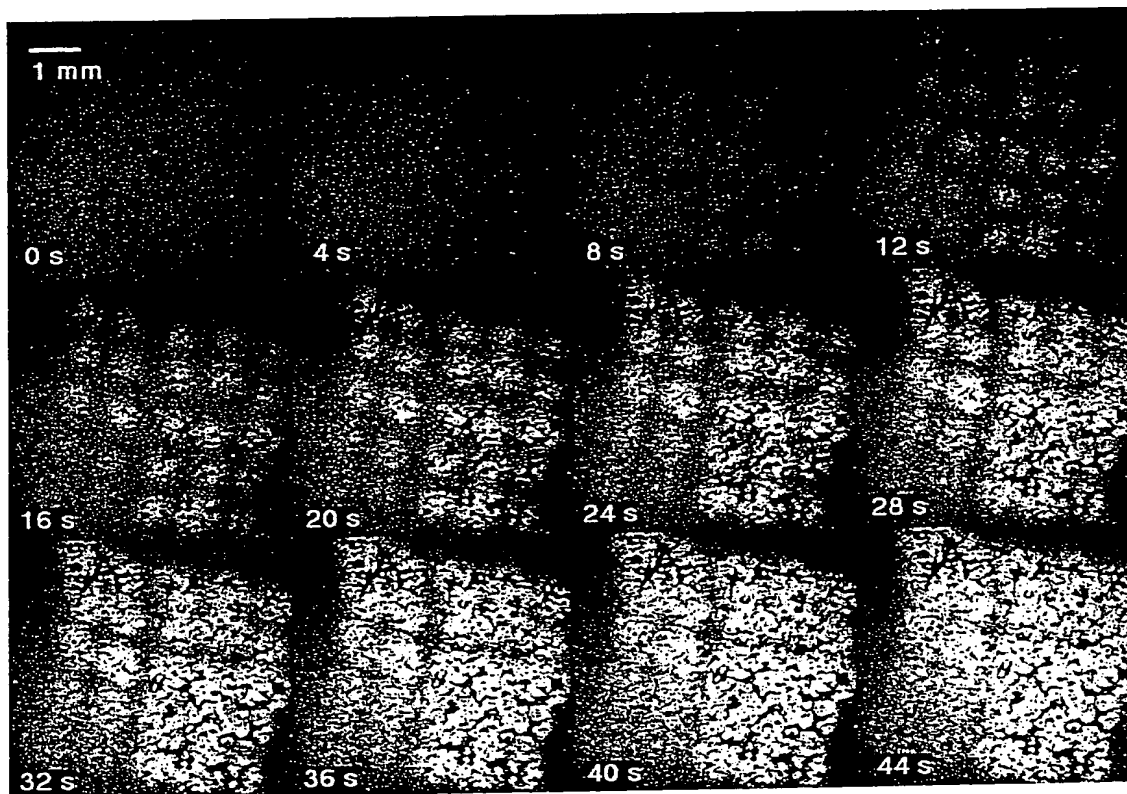


Figure 8



FCCP Response
(50 μ M, five central spots)

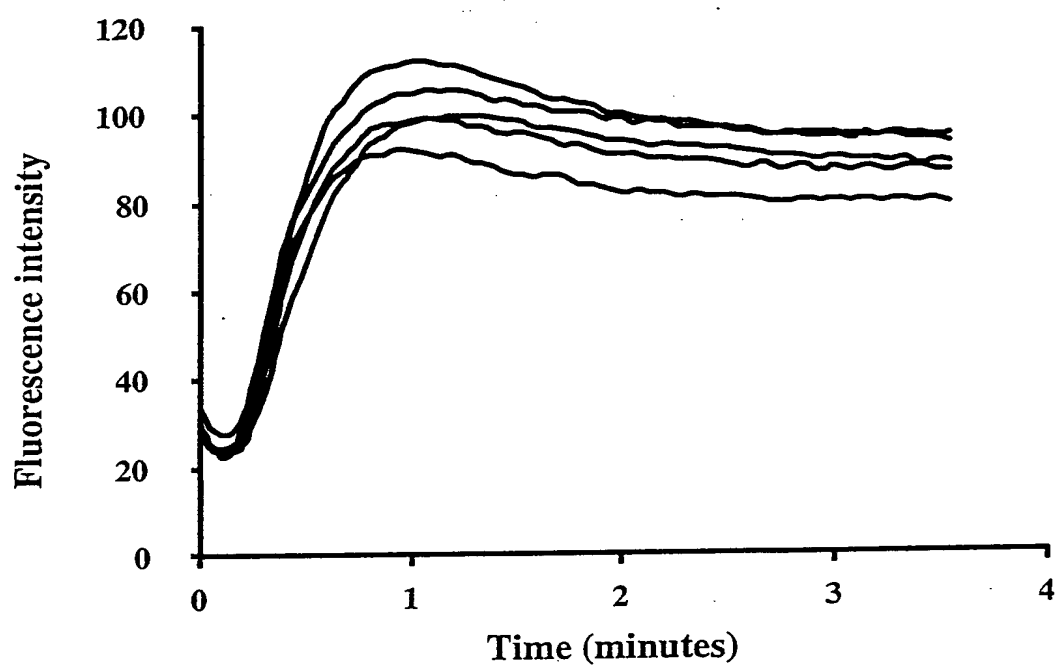
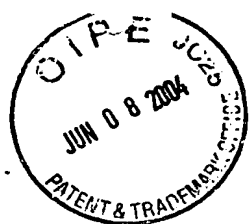


Figure 9



FCCP Dose-response
(50, 5, 0.5, 0.05 and 0.005 μ M, 5 x 5 grid)

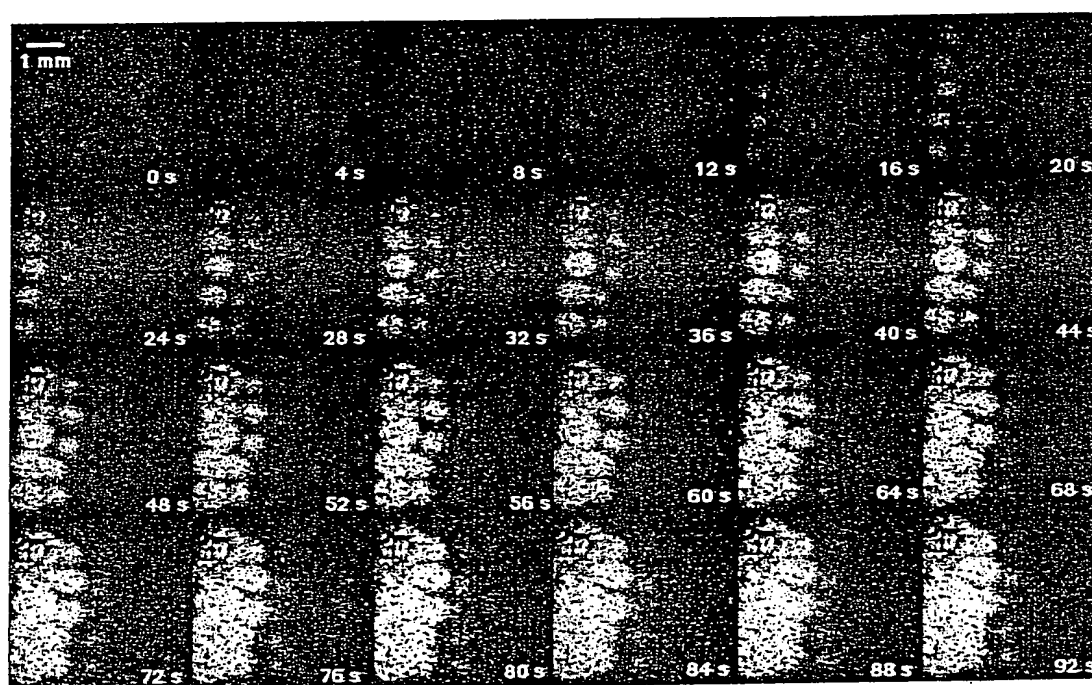
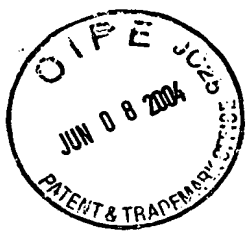


Figure 10



FCCP Dose-response
(50, 5, 0.5, 0.05 and 0.005 μM)

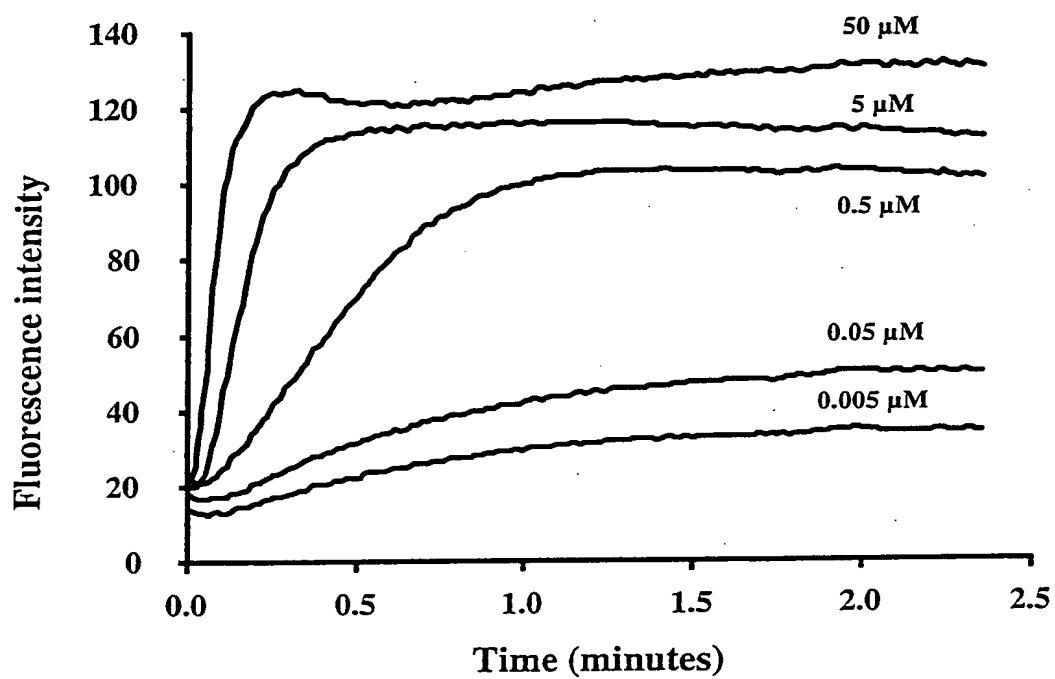
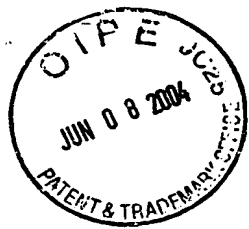


Figure 11



Ionomycin and Thapsigargin responses

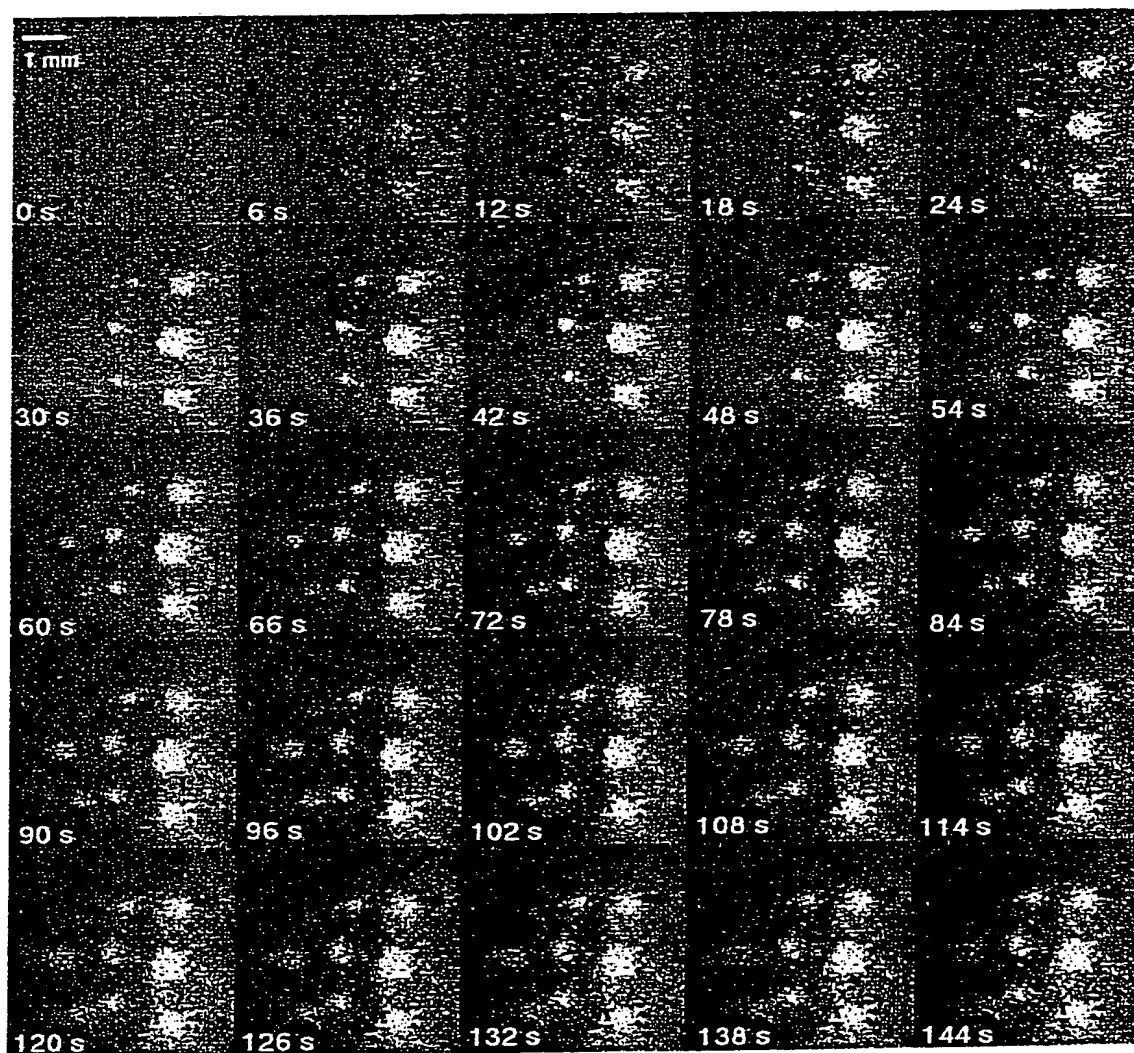


Figure 12



Ionomycin and Thapsigargin responses (mean of two to three responses)

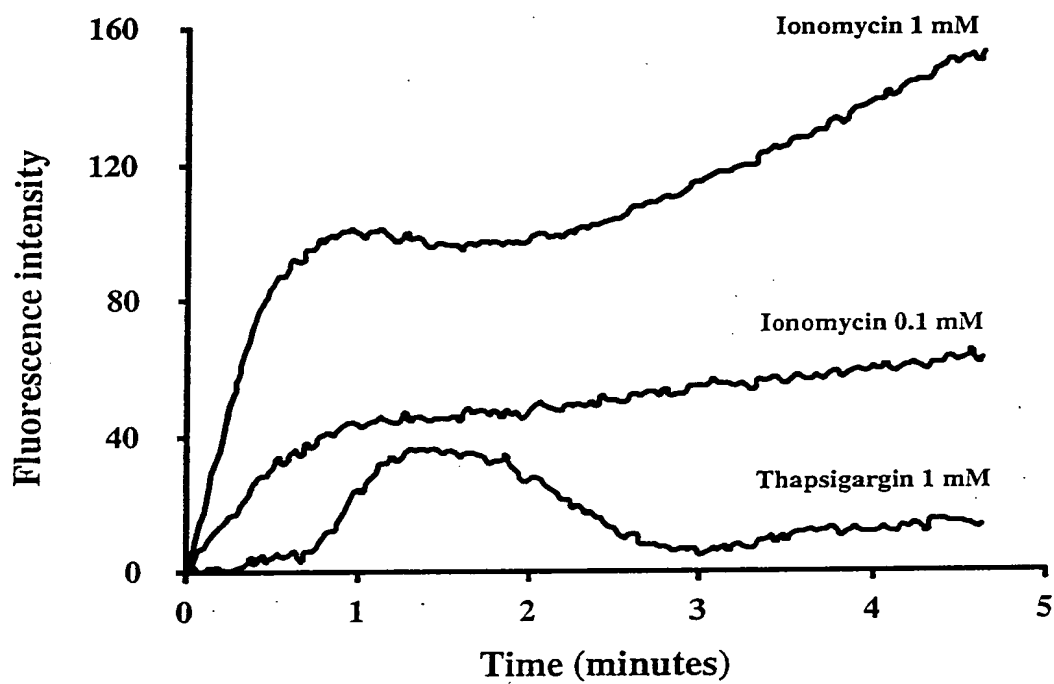


Figure 13